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TASHIRO HITOSHI(54) MANUFACTURE OF BRASS PLATED STEEL
WIRE

(57) Abstract:

PURPOSE: To provide a method for manufacturing a hard wire for reinforcing rubber articles to which especially fatigue property, adhesion to rubber and corrosion resistance are required.

CONSTITUTION: In a 1st stage to a 4th stage, including the final stage, on the upstream side from the final stage of a wire drawing process, air projecting type shot peening treatment using compressed air is applied to a brass plated steel wire whose diameter is 1-0.4m and tensile strength is $\leq 300\text{kgf/mm}^2$ and which is manufactured by executing wire drawing with a skin-pass die of 2-10% reduction of area under conditions that shot grain size: $\leq 200\mu\text{m}$, HV hardness of the shot grain: ≤ 500 and Sp: $2-100\text{kgf/cm}^2\text{.sec}$ (Sp= air jetting pressure (kgf/cm^2) \times shot peening treating time (sec)).

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